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OM nucleic - nucleic search, using sw model

Run on: March 29, 2003, 21:28:42 ; Search time 124.023 Seconds

(without alignments)  
6347.535 Million cell updates/sec

Title: US-09-988-971-1

Perfect score: 2567  
Sequence: 1 cccacgcgtccggtcggagc.....aaaaaaaaaaaaaaaaaa 2567

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 44162 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*  
1: /cgn2\_6/prodata/1/ina/5A.COMB.seq.\*  
2: /cgn2\_6/prodata/1/ina/5B.COMB.seq.\*  
3: /cgn2\_6/prodata/1/ina/6A.COMB.seq.\*  
4: /cgn2\_6/prodata/1/ina/6B.COMB.seq.\*  
5: /cgn2\_6/prodata/1/ina/PCUS.COMB.seq.\*  
6: /cgn2\_6/prodata/1/ina/backfile1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	240.2	9.4	9365	US-09-608-285A-8	Sequence 8, Appl
2	240.2	9.4	9365	US-09-350-836B-8	Sequence 8, Appl
3	240.2	9.4	9365	US-09-370-265-8	Sequence 8, Appl
4	240.2	9.4	14747	US-09-608-285A-42	Sequence 42, Appl
5	240.2	9.4	15977	US-09-608-285A-59	Sequence 59, Appl
6	231.4	9.0	9837	US-08-832-883-68	Sequence 68, Appl
7	231.4	9.0	9837	US-08-832-877-68	Sequence 68, Appl
8	229.2	8.9	14581	US-08-860-960-3	Sequence 68, Appl
9	229	8.9	14581	US-08-860-960-3	Sequence 68, Appl
10	229	8.9	22481	US-08-367-841A-43	Sequence 43, Appl
11	229	8.9	22481	US-08-367-841A-43	Sequence 43, Appl
12	229	8.9	22481	US-08-367-841A-43	Sequence 43, Appl
13	228.8	8.9	162450	US-09-345-882-1	Sequence 1, Appl
14	227.4	8.9	112132	US-09-741-150-3	Sequence 1, Appl
15	226.8	8.8	81001	US-09-750-580-1	Sequence 1, Appl
16	226.6	8.8	998	US-09-227-357-62	Sequence 62, Appl
17	226.2	8.8	14636	US-09-113-914-6	Sequence 6, Appl
18	226	8.8	282	US-08-113-914-6	Sequence 6, Appl
19	225.4	8.8	70000	US-09-851-896-3	Sequence 3, Appl
20	225.4	8.8	70000	US-09-851-896-3	Sequence 3, Appl
21	225.2	8.8	162450	US-09-851-896-3	Sequence 3, Appl
22	224.6	8.7	36159	US-09-345-882-1	Sequence 1, Appl
23	224	8.7	6669	US-09-749-588-3	Sequence 3, Appl
24	224	8.7	6669	US-09-212-971-5	Sequence 5, Appl
25	224	8.7	6669	US-08-800-929A-5	Sequence 5, Appl
26	224	8.7	20674	US-09-617-053A-5	Sequence 5, Appl
27	224	8.7	55827	US-09-641-638-651	Sequence 651, Appl
				US-09-813-133A-3	Sequence 3, Appl

28	223	8.7	7130	US-09-056-105-31	Sequence 31, Appl
29	223	8.7	35060	US-08-814-095-7	Sequence 7, Appl
30	222.8	8.7	1043	US-09-165-868-4	Sequence 4, Appl
31	222.4	8.7	2713	US-08-916-901-6	Sequence 6, Appl
32	222.4	8.7	2713	US-09-154-602-6	Sequence 6, Appl
33	221.8	8.6	99500	US-09-798-096-10	Sequence 10, Appl
34	221.6	8.6	1901	US-09-338-907-181	Sequence 181, Appl
35	221.6	8.6	1901	US-09-218-207-181	Sequence 181, Appl
36	221.6	8.6	56516	US-09-966-306-1	Sequence 1, Appl
37	221.6	8.6	56516	US-09-338-907-1	Sequence 1, Appl
38	221.6	8.6	56516	US-09-218-207-1	Sequence 179, Appl
39	221.6	8.6	56520	US-09-338-907-179	Sequence 179, Appl
40	221.6	8.6	56520	US-09-218-207-179	Sequence 1, Appl
41	221.4	8.6	72928	US-09-009-813-1	Sequence 1, Appl
42	220.8	8.6	4421	US-08-257-963B-9	Sequence 9, Appl
43	220.8	8.6	4421	US-08-367-841A-9	Sequence 9, Appl
44	220.8	8.6	4421	US-08-520-373D-6	Sequence 6, Appl
45	220.8	8.6	4421	US-09-955-07201-9	Sequence 9, Appl

## ALIGNMENTS

RESULT 1  
US-09-608-285A-8  
Sequence 8, Application US/09608285A  
Patent No. 6315013  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
APPLICANT: Young, George  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE  
FILE REFERENCE: 28110/36570  
CURRENT FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: US/09/608,285A  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 60  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
LENGTH: 9365  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (3405)  
OTHER INFORMATION: n = adenine or guanine or cytosine or thymidine  
NAME/KEY: misc feature  
LOCATION: (9214)  
OTHER INFORMATION: n = adenine or guanine or cytosine or thymidine  
NAME/KEY: misc feature  
LOCATION: (9303)  
OTHER INFORMATION: n = adenine or guanine or cytosine or thymidine  
NAME/KEY: misc feature

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/ LOCATION: (9311)
/ OTHER INFORMATION: n = adenine or guanine or cytosine or thymidine
us-09-608-285A-8
Query Match          9.4%; Score 240.2; DB 4; Length 9365;
Best Local Similarity 76.7%; Pred. No. 1.8e-52;
Matches 257; Conservative 34; Mismatches 43; Indels 1; Gaps 1;

QY 1831 TCTTTTCTTTTGTGAGAGAGAGCTTGC-CCTGTGGCCATCTGAGTGAATGG 1889
DB 7427 TTTATTTATTTTGTGAGAGAGAGCTTGC-CCTGTGGCCATCTGAGTGAATGG 7486
QY 1890 CAGCATCTCAGCTCACTGCAACCTCCATCTCTGATTTCAAAATTTCTGCTCAGC 1949
DB 7487 CRYGATCWCRCGTCACTGCAACCTCCATCTCTGATTTCAAAATTTCTGCTCAGC 7546
QY 1950 CTCGAGATAGCTGGGATTTACAGGCGTACACCATCTGCTGCTAATTTTGTATTT 2009
DB 7547 CTCCTCAGTACCTGGGATTTACAGGCGTACACCATCTGCTGCTAATTTTGTATTT 7606
QY 2010 TTAGTAGACATGGGGTTTACACCATTTGGCCAGCTGTGCAACTCTGACTCAGGT 2069
DB 7607 TTAGTAGACAGCGGGTTTACACCATTTGGCCAGCTGTGCAACTCTGACTCAGGT 7666
QY 2070 GATCCACCCAGCTTGGCTCCCAAGGTGGGATTTACAGGTGTGAGCCAGCCAGC 2129
DB 7667 GATCCACCCAGCTTGGCTCCCAAGGTGGGATTTACAGGTGTGAGCCAGCCAGC 7726
QY 2130 CCTAGCTCTCAGATCTCTATTTCAATTTTGGCTT 2164
DB 7727 CCTTTTGTGCTGCTCTTTTCTTTTCTTTTCTTTT 7761

RESULT 2
us-09-350-836B-8
/ Sequence 8, Application US/09350836B
/ Patent No. 6387645
/ GENERAL INFORMATION:
/ APPLICANT: Ford, John
/ TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
/ FILE REFERENCE: 28110/35761
/ CURRENT APPLICATION NUMBER: US/09/350,836B
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273,447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/118,205
/ PRIOR FILING DATE: 1998-07-16
/ PRIOR APPLICATION NUMBER: 09/122,449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/244,444
/ PRIOR FILING DATE: 1999-02-04
/ NUMBER OF SEQ ID NOS: 23
/ SOFTWARE: Patent Ver. 2.0
/ SEQ ID NO 8
/ LENGTH: 9365
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: (1)..(288)
/ NAME/KEY: exon
/ LOCATION: (1281)..(1580)
/ NAME/KEY: exon
/ LOCATION: (1820)..(1855)
/ NAME/KEY: exon
/ LOCATION: (2467)..(2555)
/ NAME/KEY: exon
/ LOCATION: (2863)..(2942)
/ NAME/KEY: exon
/ LOCATION: (3889)..(3950)
/ NAME/KEY: exon

/ LOCATION: (4894)..(4995)
/ NAME/KEY: exon
/ LOCATION: (5847)..(5987)
/ NAME/KEY: exon
/ LOCATION: (6966)..(7138)
/ NAME/KEY: exon
/ LOCATION: (8556)..(9365)
/ NAME/KEY: misc feature
/ LOCATION: (3409)
/ OTHER INFORMATION: n = adenine or guanine or cytosine or thymine
/ NAME/KEY: misc feature
/ LOCATION: (9214)
/ OTHER INFORMATION: n = adenine or guanine or cytosine or thymine
/ NAME/KEY: misc feature
/ LOCATION: (9303)
/ OTHER INFORMATION: n = adenine or guanine or cytosine or thymine
/ NAME/KEY: misc feature
/ LOCATION: (9311)
/ OTHER INFORMATION: n = adenine or guanine or cytosine or thymine
us-09-350-836B-8
Query Match          9.4%; Score 240.2; DB 4; Length 9365;
Best Local Similarity 76.7%; Pred. No. 1.8e-52;
Matches 257; Conservative 34; Mismatches 43; Indels 1; Gaps 1;

QY 1831 TCTTTTCTTTTGTGAGAGAGAGCTTGC-CCTGTGGCCATCTGAGTGAATGG 1889
DB 7427 TTTATTTATTTTGTGAGAGAGAGCTTGC-CCTGTGGCCATCTGAGTGAATGG 7486
QY 1890 CAGCATCTCAGCTCACTGCAACCTCCATCTCTGATTTCAAAATTTCTGCTCAGC 1949
DB 7487 CRYGATCWCRCGTCACTGCAACCTCCATCTCTGATTTCAAAATTTCTGCTCAGC 7546
QY 1950 CTCGAGATAGCTGGGATTTACAGGCGTACACCATCTGCTGCTAATTTTGTATTT 2009
DB 7547 CTCCTCAGTACCTGGGATTTACAGGCGTACACCATCTGCTGCTAATTTTGTATTT 7606
QY 2010 TTAGTAGACATGGGGTTTACACCATTTGGCCAGCTGTGCAACTCTGACTCAGGT 2069
DB 7607 TTAGTAGACAGCGGGTTTACACCATTTGGCCAGCTGTGCAACTCTGACTCAGGT 7666
QY 2070 GATCCACCCAGCTTGGCTCCCAAGGTGGGATTTACAGGTGTGAGCCAGCCAGC 2129
DB 7667 GATCCACCCAGCTTGGCTCCCAAGGTGGGATTTACAGGTGTGAGCCAGCCAGC 7726
QY 2130 CCTAGCTCTCAGATCTCTATTTCAATTTTGGCTT 2164
DB 7727 CCTTTTGTGCTGCTCTTTTCTTTTCTTTTCTTTT 7761

RESULT 3
us-09-370-265-8
/ Sequence 8, Application US/09370265
/ Patent No. 6447771
/ GENERAL INFORMATION:
/ APPLICANT: Mulero, Julio
/ TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE
/ FILE REFERENCE: 28111/35908
/ CURRENT APPLICATION NUMBER: US/09/370,265
/ PRIOR FILING DATE: 1999-08-09
/ PRIOR APPLICATION NUMBER: PCT/US99/16180
/ PRIOR FILING DATE: 1999-07-16
/ PRIOR APPLICATION NUMBER: 09/350,836
/ PRIOR FILING DATE: 1999-07-09
/ PRIOR APPLICATION NUMBER: 09/273,447
/ PRIOR FILING DATE: 1999-03-19
/ PRIOR APPLICATION NUMBER: 09/244,444
/ PRIOR FILING DATE: 1999-02-04
/ PRIOR APPLICATION NUMBER: 09/122,449
/ PRIOR FILING DATE: 1998-07-24
/ PRIOR APPLICATION NUMBER: 09/118,205
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Tue Apr 1 06:01:22 2003

us-09-988-971-1.rn

Page 4

[illegible]

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RESULT 5
US-09-608-285A--59
Sequence 59, Application US/09608285A
Patent No. 6335013
GENERAL INFORMATION:
APPLICANT: Foid, John
APPLICANT: Mulero, Julio
APPLICANT: Yeung, George
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
FILE REFERENCE: 28110/36570
CURRENT APPLICATION NUMBER: US/09/608,285A
CURRENT FILING DATE: 2000-06-30
PRIORITY APPLICATION NUMBER: 09/583,231
PRIORITY FILING DATE: 2000-05-26
PRIORITY APPLICATION NUMBER: 09/557,800
PRIORITY FILING DATE: 2000-04-25
PRIORITY APPLICATION NUMBER: 09/481,238
PRIORITY FILING DATE: 2000-01-11
PRIORITY APPLICATION NUMBER: 09/370,265
PRIORITY FILING DATE: 1999-08-09
PRIORITY APPLICATION NUMBER: PCT/US99/16180
PRIORITY FILING DATE: 1999-07-16
PRIORITY APPLICATION NUMBER: 09/350,836
PRIORITY FILING DATE: 1999-07-09
PRIORITY APPLICATION NUMBER: 09/273,447
PRIORITY FILING DATE: 1999-03-19
PRIORITY APPLICATION NUMBER: 09/244,444
PRIORITY FILING DATE: 1999-02-04
PRIORITY APPLICATION NUMBER: 09/122,449
PRIORITY FILING DATE: 1998-07-24
PRIORITY APPLICATION NUMBER: 09/118,205
PRIORITY FILING DATE: 1998-07-16
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 59
LENGTH: 15977
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: CD39-L4/L66 Gene Sequence
NAME/KEY: CDS
LOCATION: (245) ..(461)
NAME/KEY: CDS
LOCATION: (1454) ..(1533)
NAME/KEY: CDS
LOCATION: (2734) ..(2877)
NAME/KEY: CDS
LOCATION: (4364) ..(4439)
NAME/KEY: CDS
LOCATION: (4679) ..(4714)
NAME/KEY: CDS
LOCATION: (5366) ..(5414)
NAME/KEY: CDS
LOCATION: (5723) ..(5802)
NAME/KEY: CDS
LOCATION: (6751) ..(6812)
NAME/KEY: CDS
LOCATION: (7758) ..(7859)
NAME/KEY: CDS
LOCATION: (8712) ..(8852)

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TELEPHONE: (215) 568-8383  
 TELEFAX: (215) 568-5548  
 INFORMATION FOR SEQ ID NO: 68:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 9837 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-832-883-68

Query Match  
 Best Local Similarity 9.0%; Score 231.4; DB 1; Length 9837;  
 Matches 271; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

QY 1834 TTTCTTTTGTGAGACGAGCTTGGCCCTGTTGCCCAATGCTGAGAGGCAATGGACG 1893  
 DB 2018 TTTTGTGAGACGAGCTTGGCCCTGTTGCCCAATGCTGAGAGGCAATGGACG 1959  
 QY 1894 ATCTGAGCTCACTGCAACCTTCATCTCTGGAATTCACAACTTCTCTGCTCAGCCTCC 1953  
 DB 1958 ATCTGAGCTCACTGCAACCTTCATCTCTGGAATTCACAACTTCTCTGCTCAGCCTCC 1899  
 QY 1954 AGAATAGCTGGGATTACAGGCTGACACACATGCTGGCTGAATTTTGTGATTTTGA 2013  
 DB 1898 TGAGTATCTGGGATTACAGGCTGACACACATGCTGGCTGAATTTTGTGATTTTGA 1839  
 QY 2014 TAGACATGGGGTTTCAACCAATTTGGCCAGCTGCTGCAATCTCTGACCTGAGTATC 2073  
 DB 1838 CAGAGATGGGGTTTCAACCAATTTGGCCAGCTGCTGCAATCTCTGACCTGAGTATC 1779  
 QY 2074 CACCCACCTTGGCTTCCCAAGTGTGGATTTACAGGTGAGCCACGCAACCAAGCTTA 2133  
 DB 1778 CACCCATTTGGCTTCCCAAGTGTGGATTTACAGGTGAGCCACGCAACCAAGCTTA 1719  
 QY 2134 GCTTCAGATCTCAATTTGCTGCTTGTGCTTACATT 2170  
 DB 1718 TTATTACATTTTAAACAGATTTTGTGCTTATTGTT 1682

RESULT 7  
 US-08-832-877-68/c  
 Sequence 68, Application US/08832877  
 Patent No. 5840506  
 GENERAL INFORMATION:  
 APPLICANT: Giordano, Antonio  
 TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS AND PROGNOSIS OF  
 TITLE OF INVENTION: CANCER  
 NUMBER OF SEQUENCES: 116  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: SEIDEL, GONDA, LAVORGNA & MONACO, P.C.  
 STREET: Suite 1800 Two Penn Center Plaza  
 CITY: Philadelphia  
 STATE: PA  
 COUNTRY: USA  
 ZIP: 19102  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/832.877  
 FILING DATE:  
 CLASSIFICATION: 436  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Monaco, Daniel A  
 REGISTRATION NUMBER: 30,480  
 REFERENCE/DOCKET NUMBER: 8321-13 US2  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (215) 568-8383  
 TELEFAX: (215) 568-5549  
 INFORMATION FOR SEQ ID NO: 68:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 9837 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-08-832-877-68

Query Match  
 Best Local Similarity 9.0%; Score 231.4; DB 2; Length 9837;  
 Matches 271; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

QY 1834 TTTCTTTTGTGAGACGAGCTTGGCCCTGTTGCCCAATGCTGAGAGGCAATGGACG 1893  
 DB 2018 TTTTGTGAGACGAGCTTGGCCCTGTTGCCCAATGCTGAGAGGCAATGGACG 1959  
 QY 1894 ATCTGAGCTCACTGCAACCTTCATCTCTGGAATTCACAACTTCTCTGCTCAGCCTCC 1953  
 DB 1958 ATCTGAGCTCACTGCAACCTTCATCTCTGGAATTCACAACTTCTCTGCTCAGCCTCC 1899  
 QY 1954 AGAATAGCTGGGATTACAGGCTGACACACATGCTGGCTGAATTTTGTGATTTTGA 2013  
 DB 1898 TGAGTATCTGGGATTACAGGCTGACACACATGCTGGCTGAATTTTGTGATTTTGA 1839  
 QY 2014 TAGACATGGGGTTTCAACCAATTTGGCCAGCTGCTGCAATCTCTGACCTGAGTATC 2073  
 DB 1838 CAGAGATGGGGTTTCAACCAATTTGGCCAGCTGCTGCAATCTCTGACCTGAGTATC 1779  
 QY 2074 CACCCACCTTGGCTTCCCAAGTGTGGATTTACAGGTGAGCCACGCAACCAAGCTTA 2133  
 DB 1778 CACCCATTTGGCTTCCCAAGTGTGGATTTACAGGTGAGCCACGCAACCAAGCTTA 1719  
 QY 2134 GCTTCAGATCTCAATTTGCTGCTTGTGCTTACATT 2170  
 DB 1718 TTATTACATTTTAAACAGATTTTGTGCTTATTGTT 1682

RESULT 8  
 US-09-800-960-3/c  
 Sequence 3, Application US/09800960  
 Patent No. 6387677  
 GENERAL INFORMATION:  
 APPLICANT: YE, Jane et al.  
 TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
 TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
 FILE REFERENCE: C1001158  
 CURRENT APPLICATION NUMBER: US/09/800,960  
 CURRENT FILING DATE: 2001-03-08  
 NUMBER OF SEQ ID NOS: 4  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 3  
 LENGTH: 62804  
 TYPE: DNA  
 ORGANISM: Human  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1)...(62804)  
 OTHER INFORMATION: n = A,T,C or G  
 US-09-800-960-3

Query Match  
 Best Local Similarity 8.9%; Score 229.2; DB 4; Length 62804;  
 Matches 291; Conservative 0; Mismatches 83; Indels 2; Gaps 1;

QY 1759 TCCGAGCAAAAGAAAGCTTGGACAGCTAGGCTCTCAATATGCCCATTTGAGAC 1818  
 DB 13813 TCCGAGTATCACTAAACCTCTGGGCTCTTCCACCAACAGAGGTTTCAGTGTCCA 13754  
 QY 1819 AACAGCCCAAGCTCTTTTCTTTTGTGAGACGAGCTGCTGCTGTTGCCCATGCTG 1878  
 DB 13753 GGGTGTCCAGATCTCTTTTCTTTTCTTCTGAGACGAGCTCTGTTGTGTTGCCAGGCTG 13694

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Best Local Similarity	75.4%	Pred. No. 1.7e-49		
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				Gaps 1
Qy 1833	TTTTTCTTTTTTTTGAAGCGAGCTTCGCCCTGTGGCCAGTGTGAGTGCATGGCAC	1892		
Db 9524	TTTTTTTTTTTTTTTGAATGAGATCTTCTCTGTGTCCAGCTGTGAGTGCAGTGGGCGC	9583		
Qy 1893	GATTCGAGCTCATCGAAGCTGCATCTCGTGAATTGAAACAATTCCTGCTGCACGCTTC	1952		
Db 9584	GATTCGAGCTCATCGAAGCTGCATCTCTCGATTCAGATGATTTCTCTGCTTACGCTTC	9643		
Qy 1953	CAGAATTAAGCTGGATTAACAGCGGTACACACAGCAGTCCGTATTTTTTGTATTTTTTA	2012		
Db 9644	CCAAATTAAGCTGGATTAACAGGATAGGCCACACACCGGGCTAA--TTTTGTATTTTTTA	9701		
Qy 2013	GTAGACATGGGGTTTACCAACATTGGCCAGCTGGATGTGTCMAATCTCTGACCTCAGGTAT	2072		

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RESULT 10
US-08-367-841A-43
Sequence 43, Application US/08367841A
Patent No. 6319687
GENERAL INFORMATION:
APPLICANT: Chader, Gerald J.; Rodriguez,
APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
APPLICANT: Tombrjan-Tink, Joyce
TITLE OF INVENTION: PIGMENT EPITHELIUM
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan & Finnegan
STREET: 345 Park Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/367,841A
FILING DATE: 30-DEC-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/257,963
FILING DATE: 07-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/952,796
FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36434
REFERENCE/DOCKET NUMBER: 20264126US2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 22481 Base Pairs
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Unknown
MOLECULE TYPE: Genomic DNA
FEATURES:
NAME/KEY: pl-147
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: full length genomic
OTHER INFORMATION: sequence for PEDF plus flanking sequences.
US-08-367-841A-43

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REFERENCE/DOCKET NUMBER: 20264126PCT  
TELECOMMUNICATION INFORMATION:

STH: 22484

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; ENCEM: 2003

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TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: Unsure  
LOCATION: 1...22484  
OTHER INFORMATION: "n" means either a, c, t, or g  
US-09-875-223-2

Query Match 8.9%; Score 229; DB 4; Length 22484;  
Best Local Similarity 75.4%; Pred. No. 2.1e-49;  
Matches 298; Conservative 0; Mismatches 95; Indels 2; Gaps 1;

Qy 1833 TTTTCTTTTGTGAGACGAGAGTCTTCCCTGTTGCCATCTGAGTGAAGTGAAGTGCAC 1892  
Db 9513 TTTTCTTTTGTGAGATGAGAGTCTTCTGCTGTGCTGAGCCAGCTGAGTGAAGTGCAGC 9572  
Qy 1893 GATCTCAGCTCAGTCAACCTCCATCTCCTGATTCAAACATTTCTGCTCAGCTC 1952  
Db 9573 GATCTCAGCTCAGTCAACCTCCATCTCCTGATTCAAAGTATTCCTGCTCAGCTC 9632  
Qy 1953 CAGATAGCTGGGATTACAGGCGTACACCAATCCTGCTAATTTTGTATTTTA 2012  
Db 9633 CCAAGTAGCTGGGATTACAGGCGTACACCAATCCTGCTAATTTTGTATTTTA 9690  
Qy 2013 GTAGACATGGGGTTTCCACATTTGGCCAGGCTGTGCACTCCTGACCTCAGGTGAT 2072  
Db 9691 GTAGACATGGGGTTTCTCAGTGTGGCCAGATGTCTCAAACTCCTGACCTCAGGTGAT 9750  
Qy 2073 CCACCCACCTTGCCCTCCCAAGTGTGGGATTACAGGTGTGACCAAGCCACCAAGCT 2132  
Db 9751 CTACCCGCTCGGCTCTCAAGAGCTGGGATTACAGGTGTGACCAAGCCCTGAGCT 9810  
Qy 2133 AGCTCTGATCTCTATTTCAATTTGTGGCTTACCAATTCCTTACCACTGCTGCTGCA 2192  
Db 9811 TTTTCTTTTGTGAGATGAGATTTTCACTCTGTGTGCTGAGGCTGAGTGAAGTGTG 9870  
Qy 2193 TCTTGTGGCCGAATTAATAAATTAACCTCTTAAGT 2227  
Db 9871 CGATCTTGGCTCAGTCAACCTCCACCTCCCAAGT 9905

RESULT 13  
US-09-345-882-1/c  
Sequence 1, Application US/09345882  
Patent No. 639373

GENERAL INFORMATION:  
APPLICANT: Bouquelerec, Lydie  
TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)  
FILE REFERENCE: GENSET 031A  
CURRENT APPLICATION NUMBER: US/09/345,882  
CURRENT FILING DATE: 1999-06-30  
PRIOR APPLICATION NUMBER: US 60/091,315  
PRIOR FILING DATE: 1998-06-30  
PRIOR APPLICATION NUMBER: US 60/111,909  
PRIOR FILING DATE: 1998-12-10  
NUMBER OF SEQ ID NOS: 140  
SOFTWARE: Patent.pm

SEQ ID NO 1  
LENGTH: 162450  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: allele  
LOCATION: 72794  
OTHER INFORMATION: 5-124-273 : polymorphic base A or G  
FEATURE:  
NAME/KEY: allele  
LOCATION: 88073  
OTHER INFORMATION: 5-127-261 : polymorphic base A or C  
FEATURE:  
NAME/KEY: allele  
LOCATION: 90842

OTHER INFORMATION: 99-1437-325 : polymorphic base A or G  
FEATURE:  
NAME/KEY: allele  
LOCATION: 93714  
OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT  
FEATURE:  
NAME/KEY: allele  
LOCATION: 97122  
OTHER INFORMATION: 99-1442-224 : polymorphic base G or T  
FEATURE:  
NAME/KEY: allele  
LOCATION: 97152  
OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T  
FEATURE:  
NAME/KEY: allele  
LOCATION: 99098  
OTHER INFORMATION: 5-130-257 : polymorphic base A or G  
FEATURE:  
NAME/KEY: allele  
LOCATION: 99117  
OTHER INFORMATION: 5-130-276 : polymorphic base A or G  
FEATURE:  
NAME/KEY: allele  
LOCATION: 103806  
OTHER INFORMATION: 5-131-395 : polymorphic base A or T  
FEATURE:  
NAME/KEY: allele  
LOCATION: 106940  
OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A  
FEATURE:  
NAME/KEY: allele  
LOCATION: 108106  
OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A  
FEATURE:  
NAME/KEY: allele  
LOCATION: 108149  
OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT  
FEATURE:  
NAME/KEY: allele  
LOCATION: 108308  
OTHER INFORMATION: 5-135-357 : polymorphic base A or G  
FEATURE:  
NAME/KEY: allele  
LOCATION: 108471  
OTHER INFORMATION: 5-136-174 : polymorphic base C or T  
FEATURE:  
NAME/KEY: allele  
LOCATION: 134134  
OTHER INFORMATION: 5-140-120 : polymorphic base C or T  
FEATURE:  
NAME/KEY: allele  
LOCATION: 134362  
OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A  
FEATURE:  
NAME/KEY: allele  
LOCATION: 134374  
OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA  
FEATURE:  
NAME/KEY: allele  
LOCATION: 146328  
OTHER INFORMATION: 5-143-84 : polymorphic base A or G  
FEATURE:  
NAME/KEY: allele  
LOCATION: 146345  
OTHER INFORMATION: 5-143-101 : polymorphic base A or C  
FEATURE:  
NAME/KEY: allele  
LOCATION: 150328  
OTHER INFORMATION: 5-145-24 : polymorphic base A or G  
FEATURE:  
NAME/KEY: allele  
LOCATION: 160031  
OTHER INFORMATION: 5-148-352 : polymorphic base G or T



```

NAME/KEY allele
LOCATION: 106918..106966
FEATURE:
NAME/KEY: allele
LOCATION: 106918..106966
OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-133-155 SEQ ID38
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID39
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
FEATURE:

Query Match 8.9%, Score 228.8, DB 4, Length 162450;
Best Local Similarity 81.1%, Pred. No. 5.7e-49;
Matches 266; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

QY 1832 CTTTTCCTTTTTTTTTTTGAGACGAGCTCTCCCTGTGCGCCCATGCTGAGTGCATATGGCA 1891
Db 101821 CTAATTTTTTTTTTTTTTATGATGAGTCTGCTCTGTCAACCCAGGCTGAGTGCATGTGGC 101782
QY 1892 CGATCTCAGCTCAGCTCAGCACTCCATCTCTGTGATTCAACATTTCTCTGCTCAGCT 1951
Db 101761 TGTCTCGGCTCACTCAGAGCTCCGCTCTCCGGGTTGACACATTTCTCTGCTCAGCT 101702
QY 1952 CCAATATGCTGTGATTTACAGCGGTACACACCATGCTGCTGATTTTTTTTGTATTTTT 2011
Db 101701 CCGTAGTGTGCTGGGACCTACAGGCGTCCACACCATGCTGCTGATTTTTTTGTGTTTT 101642
QY 2012 AGTAACATGGGGGTTTCAACCATTTGGCCAGGCTGTGTGAACTCTGACTCAGGTGA 2071
Db 101641 AGTAACAGCAGGGTTTCAACATGTTAGCCAGATGTGTGATCTCTTACCTCAGGTGA 101582
QY 2072 TCACACCACCTTGGCTCTCCCAAAGTGTGGATTACAGTGTGAGCCAGGACCCAGCC 2131
Db 101581 TCTGCTGCTCTGGCTCTCCCAAAGTGTGGATTACAGGCGTGAACCCGCGCCAGCC 101522
QY 2132 TAGCTCTAGATCTCTATTTCAATTTGT 2159
Db 101521 ACACCCAGCTAATTTTGTATTTTGT 101494

RESULT 14
US-09-741-150-3
Sequence 3, Application US/09741150
Patent No. 643689
GENERAL INFORMATION:
APPLICANT: GUEGLER, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
FILE REFERENCE: CLO00968
CURRENT APPLICATION NUMBER: US/09/741,150
NUMBER OF SEQ. ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ. ID NO. 3
LENGTH: 112132
TYPE: DNA
ORGANISM: Human
FEATURE:

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1	OTHER INFORMATION: 5' regulatory region	
2	NAME/KEY: exon	
3	LOCATION: 12947..12958	
4	OTHER INFORMATION: exon 1	
5	NAME/KEY: exon	
6	LOCATION: 13470..13526	
7	OTHER INFORMATION: exon 2	
8	NAME/KEY: exon	
9	LOCATION: 13641..13752	
10	OTHER INFORMATION: exon 3	
11	NAME/KEY: exon	
12	LOCATION: 14271..15968	
13	OTHER INFORMATION: exon 4	
14	NAME/KEY: misc feature	
15	LOCATION: 15965..17969	
16	OTHER INFORMATION: 3' regulatory region	
17	NAME/KEY: allele	
18	LOCATION: 1239	
19	OTHER INFORMATION: 20-828-311 : polymorphic base C or T	
20	NAME/KEY: allele	
21	LOCATION: 12347	
22	OTHER INFORMATION: 17-42-319 : polymorphic base C or T	
23	NAME/KEY: allele	
24	LOCATION: 15241	
25	OTHER INFORMATION: 17-41-250 : polymorphic base C or T	
26	NAME/KEY: allele	
27	LOCATION: 42218	
28	OTHER INFORMATION: 20-841-149 : polymorphic base A or G	
29	NAME/KEY: allele	
30	LOCATION: 45442	
31	OTHER INFORMATION: 20-842-115 : polymorphic base A or G	
32	NAME/KEY: allele	
33	LOCATION: 77058	
34	OTHER INFORMATION: 20-853-415 : polymorphic base C or T	
35	NAME/KEY: primer bind	
36	LOCATION: 929..949	
37	OTHER INFORMATION: 20-828-pu	
38	NAME/KEY: primer bind	
39	LOCATION: 1351..1377	
40	OTHER INFORMATION: 20-828-rp complement	
41	NAME/KEY: primer bind	
42	LOCATION: 12029..12050	
43	OTHER INFORMATION: 17-42-pu	
44	NAME/KEY: primer bind	
45	LOCATION: 12581..12603	
46	OTHER INFORMATION: 17-42-rp complement	
47	NAME/KEY: primer bind	
48	LOCATION: 14992..15012	
49	OTHER INFORMATION: 17-41-pu	
50	NAME/KEY: primer bind	
51	LOCATION: 15460..15482	
52	OTHER INFORMATION: 17-41-rp complement	
53	NAME/KEY: primer bind	
54	LOCATION: 42070..42090	
55	OTHER INFORMATION: 20-841-pu	
56	NAME/KEY: primer bind	
57	LOCATION: 42572..42591	
58	OTHER INFORMATION: 20-841-rp complement	
59	NAME/KEY: primer bind	
60	LOCATION: 45328..45347	
61	OTHER INFORMATION: 20-842-pu	
62	NAME/KEY: primer bind	
63	LOCATION: 45863..45883	
64	OTHER INFORMATION: 20-842-rp complement	
65	NAME/KEY: primer bind	
66	LOCATION: 76644..76664	
67	OTHER INFORMATION: 20-853-pu	
68	NAME/KEY: primer bind	
69	LOCATION: 77166..77185	
70	OTHER INFORMATION: 20-853-rp complement	
71	NAME/KEY: primer bind	
72	LOCATION: 1220..1238	
73	OTHER INFORMATION: 20-828-311.mis	



